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(71)Applicant : KUBOTA CORP

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(54) SEWAGE TREATMENT APPARATUS USING IMMERSION TYPE MEMBRANE SEPARATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enable operation under a small aeration strength, to suppress foaming in a tank to enhance the concn. of MLSS and to achieve cost reduction.

SOLUTION: A sewage treatment apparatus is constituted by forming a circulating system consisting of ascending and descending passages 4, 5 to an immersion tank 1 and arranging an air diffuser 6 to the lower part of the ascending passage 4 and arranging an immersion type membrane separator 13 on the way of the ascending passage 4. In the immersion type membrane separator 13, a plurality of tubular membrane elements 15 are arranged along the ascending passage 4 in an up and down direction and water passing parts 18 permitting ascending streams to pass are formed to the header 16 allowing the respective membrane elements 15 to communicate with each other.

